24.1" Color LCD Monitor

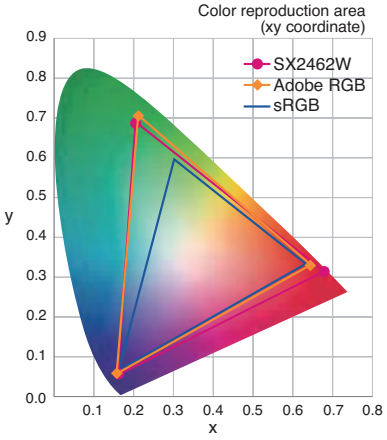
FlexScan® SX2462W

Design inspiration. Color confidence.

Wide Format for Creative Work

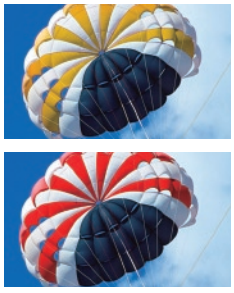
This 24-inch widescreen monitor's abundant features make it ideal for creative professionals working with both still and moving images. The monitor is equipped with a wide gamut IPS panel, and offers 178° viewing angles, enabling users to view images from any position. Its 1920 × 1200 native resolution offers the display equivalent of two A4 sheets of paper with work space to spare for managing toolbars and command pallets when working with web code, spreadsheets, CAD or photos.

Wide Color Gamut



The FlexScan SX2462W reproduces 98% of the Adobe RGB color space, allowing it to display almost every possible color in photos taken in a digital camera's Adobe RGB mode. It also has an sRGB mode to accurately reproduce this narrower but commonly used color space. This ensures that colors meant for sRGB, such as those used on web pages and photos taken with a digital camera in sRGB mode, will be reproduced on the screen as intended.

Detailed Color Control



Hue can be adjusted for a single color

The OSD menu offers adjustment of brightness, gamma, saturation, hue, gain and color temperature from 4,000 K to 10,000 K in 500 K increments. The hue and saturation settings for individual colors — red, green, blue, cyan, magenta, and yellow — can be adjusted independently.

More Effective Software Calibration

In creative design work, software calibration is typically necessary to achieve accurate color values. The FlexScan SX2462W, however, already provides extensive color adjustment functions in the OSD menu. This means that any software calibration you do will help to achieve a very precise grayscale ramp for improved display of dark tone details as well as overall color accuracy.

Custom and Preset Modes

Different kinds of work require different color settings. To ensure you can return to your favorite settings without having to fiddle with the OSD menu, this monitor comes with three customizable modes for assigning values to brightness, contrast, color temperature, and gamma. In addition, preset Text, Picture, Movie, and sRGB modes are also included. Modes switch automatically with the bundled ScreenManager Pro for LCD software, or manually with the press of a button.

Brightness and Chroma Uniformity with DUE

Fluctuations in brightness and chroma on different parts of the screen are characteristic of LCD panels. Generally, the larger the screen, the more noticeable these uniformity errors become. EIZO's Digital Uniformity Equalizer (DUE) assists in compensating for these errors, resulting in a more uniform image.

Three Inputs Including DisplayPort

Connect with up to three PCs via the monitor's dual DVI-I inputs which accept digital and anlaog signals, and the DisplayPort (digital) input terminals.

DisplayPort Connector | DisplayPort | DVI-I | DVI-I

8-bit V. 10-Bit Simultaneous Display

The FlexScan SX2462W employs a 12-bit look-up table with a color palette of 68 billion colors from which the most appropriate 16.7 million (8 bits) are displayed. It also uses 16-bit internal processing for smooth display of grayscale tones without banding. What's more, using the DisplayPort input, this monitor displays 10-bit color* — more than 1 billion colors shown simultaneously. This is 64 times greater than the 16.7 million colors of 8-bit display. The result is even smoother color gradations.

**A graphics board and software which support 10-bit output are necessary for 10-bit display.*

Typical monitor with 8-bit display

SX2462W 8-Bit display with DVI connection

SX2462W 10-Bit display with DisplayPort connection

Fast Response Time

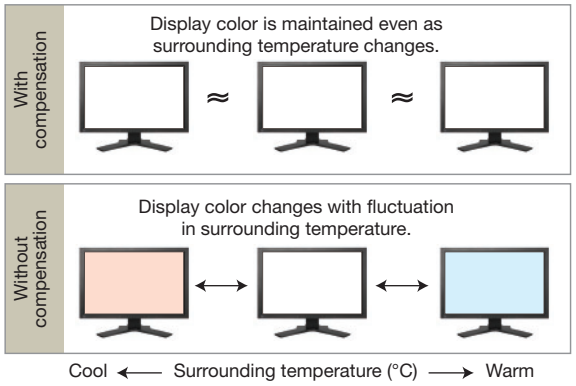
An overdrive circuit is included to reduce midtone response time and ensure that movies and other moving images look clean and sharp with an absolute minimum of blurring and ghosting.

Without overdrive circuit *With overdrive circuit*

Brightness and Color Drift Stabilization

To ensure proper display of color, the FlexScan SX2462W comes equipped with patented EIZO technology that stabilizes the monitor's brightness level after startup or coming out of power saving mode. Furthermore, a new temperature sensor detects and automatically suppresses changes in color and brightness caused by fluctuations in the surrounding temperature.

Color Drift Compensation


With compensation
Display color is maintained even as surrounding temperature changes.
≈
≈
Without compensation
Display color changes with fluctuation in surrounding temperature.
Cool ⟵ Surrounding temperature (°C) ⟶ Warm

Scale Non-Native Resolutions to Full Screen

When working at less than native resolution or at aspect ratios other than 16:10, you can use the scaling function to enlarge your work proportionally or expand it to fill the screen. This is especially helpful when using the monitor's single link input. You can then smooth or sharpen the image in five increments.

Normal (1:1) *Enlarge (aspect ratio maintained)* *Full Screen (aspect ratio changed to fill screen)*

Zero Watts When Turned Off

When the power save mode and Eco Timer (off timer) are set, this monitor consumes less than 0.9 watts. When turned off via the main power switch, it consumes no electricity at all.

New Button Guide

The FlexScan SX2462W incorporates a new on-screen button guide. Even when working in a dark environment, button names and icons can be seen, making screen adjustment easier than ever.

An on-screen button guide is provided for easy monitor adjustment, even in a dark room.

Optimized Brightness with Auto EcoView

A sensor on the front of the monitor measures ambient light and optimizes the screen's brightness to ensure the screen is never too bright or too dark. Users can easily turn off Auto EcoView using the OSD menu, if preferred.

Energy and Environmental Efficiency Index

When the green leaves are fully illuminated, the monitor is operating at optimum energy efficiency.

New to the FlexScan SX2462W, a user-activated EcoView Index displays the level of power savings and equivalent amount of $C0_2$ reduction compared to using the monitor without Auto EcoView activated and with the screen set at a brightness of 100%.

Flexible Screen Positioning

The FlexScan SX2462W's stand lets you set the screen to the optimum viewing position with a wide-range height adjustment, 40°tilt, and 70° swivel. It also pivots clockwise 90° for changing to portrait mode which is ideal when viewing long web or software code and spreadsheets.

Color Vision Deficiency Simulation

Original mode

Protanope mode

Deuteranope mode

To accommodate people with red-green color vision deficiency (protanopia and deuteranopia), care must be taken in choosing color schemes for things like maps, signage, indicator lights, etc. The FlexScan SX2462W can instantly simulate how still and moving images appear to people with color vision deficiency, and do so much faster than software-based tools that slow down with larger files.

Accessories

For additional functionality, attachable speakers, panel protector, and other accessories are available.

For more information, please see www.eizo.com/products/accessories/.

Simple Color Matching

An optional accessory, EIZO EasyPIX is a color matching tool that is ideal for digital SLR camera users looking to match colors between their monitors and photo prints. With the EasyPIX software you can match the monitor's color and brightness with that of the photo paper and then create a monitor profile with the bundled EX1 color sensor. No expertise in color management is required and the profile can be shared with image retouching software to ensure accurate results when printing.

Customer Assurance

A five-year warranty offers a long service life, and compliance with leading industry standards such as TCO Displays 5.1 and TÜV Ergonomics ensures a better working environment. The EIZO Eco Products 2009 label sets strict internal requirements for manufacturing and packaging, stipulates that the monitor must not consume any power when turned off, and requires that its eco declaration be available on the EIZO web site.

FlexScan SX2462W

Panel Size	24.1" / 61 cm (611 mm diagonal)
Active Display Size (H × V)	518.4 × 324 mm
Panel Type	IPS
Viewing Angles (H, V)	178°, 178° (at contrast ratio of 10:1)
Brightness	270 cd/m^2
Contrast	850:1
Response Time (Typical)	Gray-to-gray: 5 ms, black-white-black: 13 ms
Native Resolution	1920 × 1200 (16:10 aspect ratio)
Pixel Pitch	0.270 × 0.270 mm
Display Colors	DVI: 16.77 million from a palette of 68 billion DisplayPort: 1.07 billion from a palette of 68 billion
Wide Gamut Coverage	Adobe RGB: 98%, 102% vs. NTSC
Look-Up Table	12 bits per color
Internal Processing	16 bits per color
Cabinet Colors	Gray, Black
Dot Clock	Analog: 170 MHz, Digital: 164.5 MHz
Analog Scanning Frequency (H, V)	31 – 76 kHz, 59 – 61 Hz
Digital Scanning Frequency (H, V)	31 – 76 kHz, 49 - 86 Hz (VGA Text: 69 – 71 Hz)
Video Input Terminals	DVI-I 29 pin × 2 (with HDCP), DisplayPort (with HDCP)
USB Ports / Standard	1 upstream, 2 downstream / USB 2.0
Plug & Play	VESA DDC 2B
Power Requirements	AC 100 – 120 V / 200 – 240 V, 50 / 60 Hz
Power Consumption	95 W (maximum)
Power Save Mode	Less than 0.9 W
Height Adjustment Range	82 mm
Tilt / Swivel / Pivot	40° Up, 0° Down / 35° Right, 35° Left / 90°
Dimensions (W × H × D)	With Stand: 566 × 456 – 538 × 230 mm Without Stand: 566 × 367 × 85 mm
Net Weight	With Stand: 10.7 kg Without Stand: 7.1 kg
Preset Modes	Color Mode (Text Picture, Movie, sRGB, User1, User2, User3), Auto Fine Contrast[1]
EcoView Settings	Auto EcoView
Screen Adjustment	Clock, Phase, Position, Range (Auto), Screen Size (full screen, enlarge, normal)
Color Adjustment	Brightness, Contrast, Independent 6-Color Control, Gamma, Temperature, Saturation, Hue, Gain, Contrast and Outline Enhancer, Reset
Power Management	Power Save (VESA DPMS, DisplayPort Version 1.1a, and DVI DMPM), Eco Timer
Other Settings	Signal Switching, Product Information, OSD Menu Settings, Auto Sharpness, Mode Preset, Key Lock, DDC/CI, Languages (English, German, French, Italian, Japanese, Simplified Chinese, Spanish, Swedish, Traditional Chinese), Power Indicator, All Reset
Certifications and Standards	CUDO certified mark, TCO Displays 5.1, TÜV/Ergonomics (including ISO 13406-2), TÜV/GS, c-Tick, CE, CB, UL (cTÜVus), CSA (cTÜ-Vus), FCC-B, Canadian ICES-003-B, TÜV/S, VCCI-B, EPA Energy Star, RoHS, WEEE, EPEAT Silver, EIZO Eco Products 2009
Supplied Accessories	AC power cord, signal cables (DVI-D – DVI-D, DVI-I – D-Sub mini 15 pin), USB cable, setup guide, EIZO LCD Utility Disk (PDF user's manual, ScreenManager Pro for LCD, EIZO ScreenSlicer software), 4 screws for mount option, warranty card
Warranty	Five Years[2]

[1] The bundled ScreenManager Pro for LCD is necessary to activate Auto Fine Contrast. ScreenManager Pro for LCD is compatible with Microsoft Windows Vista/XP. [2] The usage time is limited to 30,000 hours or less, and the warranty period of the LCD panel is limited to three years from the date of purchase.
With current LCD technology, a panel may contain a limited number of missing or flickering pixels.

This monitor was developed, manufactured, and quality control tested by EIZO in Japan.

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